

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE UPGRADE OF THE EXISTING ACCESSIBLE PEDESTRIAN SIGNALS (APS) TO CURRENT STANDARDS FOR ALL LEGS, THE INSTALLATION OF ADA COMPLIANT SIDEWALK RAMPS, CROSSWALKS AND NEW MICROLOOP PROBES FOR SB MD 45 AT THE INTERSECTION OF MD 45 (YORK ROAD) AND FAIRMOUNT AVENUE IN TOWSON, MARYLAND. MD 45 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA FIVE-PHASE, FULLY-TRAFFIC-ACTUATED MODE. EXCLUSIVE SOUTHBOUND LEFT TURNS, THE ALTERNATIVE PEDESTRIAN PHASE AND PREEMPTION FOR MD 45 WILL REMAIN.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CABINET AND ASSOCIATED EQUIPMENT WILL REMAIN.

APS WILL FUNCTION AS FOLLOWS:

TO CROSS MD 45 (YORK ROAD):

- A. WHEN A PEDESTRIAN LOCATES AND PRESSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON MESSAGE WILL BE "WAIT TO CROSS YORK AT FAIRMOUNT, WAIT".
- B. WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.

TO CROSS FAIRMOUNT:

- A. WHEN A PEDESTRIAN LOCATES AND PRESSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON MESSAGE WILL BE "WAIT TO CROSS FAIRMOUNT AT YORK, WAIT".
- B. WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.

TO CROSS SCHOOL ENTRANCE:

- A. WHEN A PEDESTRIAN LOCATES AND PRESSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON MESSAGE WILL BE "WAIT TO CROSS SCHOOL ENTRANCE AT YORK, WAIT".
- B. WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.

THE CONTACT PERSONS FOR DISTRICT #4 ARE AS FOLLOWS:

Ms. Erin Kuhn
Assistant District Engineer - Traffic
Phone: 410-229-2381

Mr. Michael Pasquarillo
District Utility Engineer
Phone: 410-229-2421

Mr. Andre Futrell
Assistant District Engineer - Maintenance
Phone: 410-229-2361

OFFICE OF TRAFFIC AND SAFETY:

Mr. Richard L. Daff Sr.
Chief, Traffic Operations Division
Phone: 410-787-7630

Mr. Robert Snyder
Assistant Division Chief, Traffic Operations Division
410-787-7630

Mr. Edward Rodenhizer
Chief, Signal Operations
Phone: 410-787-7650

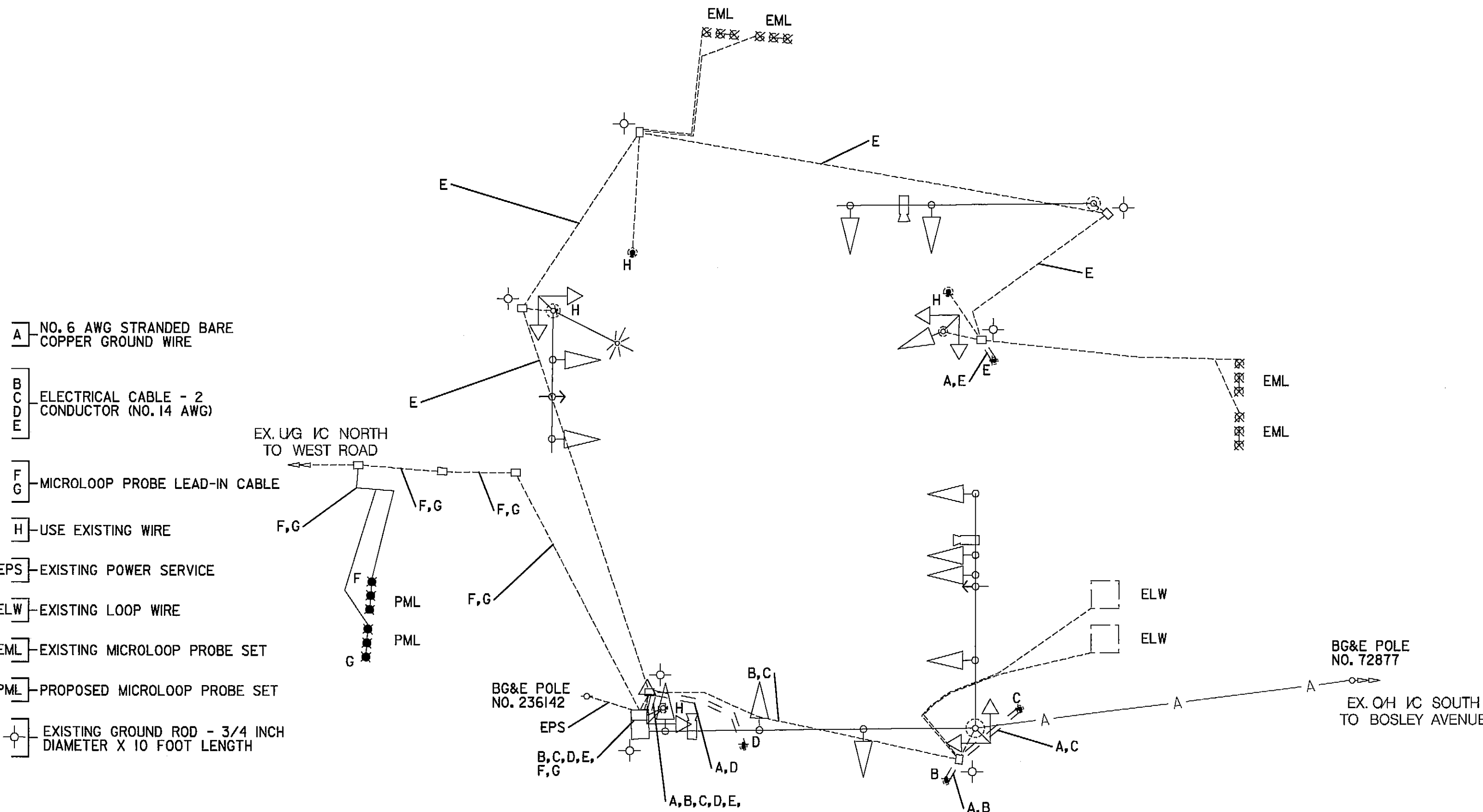
Mr. Eugene Bailey
Chief, Sign Operations
410-787-7670

The Power Company is:
BG&E CO.
7317 Parkway Dr. South
Hanover, MD
Phone: 410-859-9062

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	R Y G	
PHASE 2 AND 5	R	R	+G	+G	+G	G	G	R	R	R	R	R	WK	DW	DW	WK	DW	DW	DW	DW	
PHASE 5 CHANGE	R	R	+Y	+Y	+Y	G	G	R	R	R	R	R	WK	DW	DW	WK	DW	DW	DW	DW	
PHASE 2 AND 6	G	G	+R	+R	+R	G	G	R	R	R	R	R	WK	WK	WK	WK	DW	DW	DW	DW	
PEDESTRIAN CLEARANCE	G	G	+R	+R	+R	G	G	R	R	R	R	R	FLDW	FLDW	FLDW	FLDW	DW	DW	DW	DW	
PHASE 2 AND 6 CHANGE	Y	Y	+R	+R	+R	Y	Y	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	
PHASE 4 AND 8	R	R	+R	+R	+R	R	R	G	G	G	G	G	DW	DW	DW	DW	DW	DW	DW	DW	
PHASE 4 AND 8 CHANGE	R	R	+R	+R	+R	R	R	Y	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW	
PHASE 4 AND 8 ALT.	R	R	+R	+R	+R	R	R	G	G	G	G	G	DW	DW	DW	DW	WK	WK	WK	WK	
PEDESTRIAN CLEARANCE	R	R	+R	+R	+R	R	R	G	G	G	G	G	DW	DW	DW	DW	FLDW	FLDW	FLDW	FLDW	
PHASE 4 AND 8 ALT. CHANGE	R	R	+R	+R	+R	R	R	Y	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW	
PRE-EMPTION 1	G	G	+R	+R	+R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	
PRE-EMPTION 1 CHANGE	Y	Y	+R	+R	+R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	
PRE-EMPTION 2	R	R	+G	+G	+G	G	G	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	
PRE-EMPTION 2 CHANGE	R	R	+Y	+Y	+Y	Y	Y	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW	
FLASHING OPERATION	FLY	FLY	FLY	FLY	FLY	FLY	FLY	FLY	FLY	FLY	FLY	FLY	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK	

WIRING DIAGRAM



PROPOSED SIGNAL EQUIPMENT AND PAVEMENT MARKING LAYOUT - 1"=20'

